

SEQUENCE LISTING

<110> Murphy, Brian R.
Collins, Peter L.
Durbin, Anna P.
Skiadopoulos, Mario H.
Tao, Tao

<120> USE OF RECOMBINANT LIVE-ATTENUATED PARAINFLUENZA VIRUS
(PIV) AS A VECTOR TO PROTECT AGAINST DISEASE CAUSED BY
PIV AND RESPIRATORY SYNCYTIAL VIRUS (RSV)

<130> 17634-000330

<140>

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<150> 09/083,793

<151> 1998-05-22

<150> 60/047,575

<151> 1997-05-23

<150> 60/059,385

<151> 1997-09-19

<160> 30

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

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<400> 1

cttaagaata tacaaataag aaaaacttag gattaaagag cg

42

<210> 2

<211> 36

<212> DNA

<213> Artificial Sequence

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<400> 2

gatccaacaa agaaacgaca ccgaacaaac cttaag

36

<210> 3

<211> 101

<212> DNA

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<400> 3

aggcctaaaa gggaaatata aaaaacttag gagtaaagtt acgcaatcca actctactca 60
tataattgag gaaggaccca atagacaaat ccaaattcga g 101

<210> 4

<211> 79

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<400> 4

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gcaatcagac aataggcct 79

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<211> 69

<212> DNA

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six.

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nnnaggaaaa gggaaatata aaaacttagg agtaaagtta cgcgtggttaa cttcgaagag 60
ctccctnnn 69

<210> 6
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<400> 6
nnnaggaaaa gggaaacgcgt gttaacttcg aagagctccc tnnn 44

<210> 7
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<400> 7
ctaaat 6

<210> 8
<211> 6
<212> DNA
<213> Artificial Sequence

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<400> 8
cttaag 6

<210> 9
<211> 6
<212> DNA
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<400> 9
tcaatc

6

<210> 10
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<212> DNA
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<400> 10
acaacgagac cggataaatg ccttctac

28

<210> 11
<211> 67
<212> DNA
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six.

<400> 11
attattgctt aaggtttggt cgggtgctgt tctttgttg atcctatctg cgattgggtc 60
catcttc 67

<210> 12
<211> 34
<212> DNA
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<400> 12

agacaatntc ntndrmrvsa gtntcntndn ntag

34

<210> 13

<211> 6

<212> DNA

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<400> 13

aggcct

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<210> 14

<211> 55

<212> DNA

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gacaataggc ctaaaaggga aatataaaaa acttaggagt aaagttacgc aatcc

55

<210> 15

<211> 68

<212> DNA

<213> Artificial Sequence

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gtccttcc 68

<210> 16
<211> 68
<212> DNA
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<400> 16
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gtccttcc 68

<210> 17
<211> 28
<212> DNA
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<220>
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<400> 17
ccatgtaatt gaatccccca acactagc 28

<210> 18
<211> 28
<212> DNA
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<400> 18
cggataaacg cggttctacaa agataacc 28

<210> 19
<211> 28
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<400> 19
cggataaacg cgttctacaa agataacc

28

<210> 20
<211> 23
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<400> 20
gggccatgga agattacagc aat

23

<210> 21
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<400> 21
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25

<210> 22
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six.

<400> 22

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<210> 23

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

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six.

<400> 23

cccgggtcct gatttcccga gcacgctttg

30

<210> 24

<211> 26

<212> DNA

<213> Artificial Sequence

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<400> 24

agtggctaatt tgcattgcat ccacat

26

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

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<400> 25

gccgtctgca tggatgaatag caat

24

<210> 26
<211> 13
<212> DNA
<213> Artificial Sequence

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<400> 26
cgcggcaggc ctg

13

<210> 27
<211> 14
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<400> 27
cgcggcaggc cctg

14

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six.

<400> 28
cgcgaggcct ccgcg

15

<210> 29
<211> 16
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six.

<400> 29

cgcgccgcgg aggcct

16

<210> 30

<211> 17

<212> DNA

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six.

<400> 30

cgcgcccgcg gaggcct

17